

## FENNER HTD

This development of the original Timing Drive is offered in a range of pitches 5mm, 8mm and 14mm. Comprehensive choice of belt widths and lengths combine with an optimised range of Taper Lock pulleys to suit general industrial needs.

Drives can be designed by simple catalogue selection methods to give more compact drives, less noise and lower bearing loads than with classical Timing Drives.

The Fenner HTD drive system conforms to the ISO 13050 standard

**Fenner HTD** drives offer the technical and economical benefits of an established product range with proven performance and world wide availability.

**Fenner HTD** belts have a curvilinear tooth form giving a more uniform distribution of shear stresses within the teeth and a transition of tooth loads to the tensile members in the belt which significantly improves upon classical Timing Belts.

### 5mm (5M) PITCH HTD BELTS

| Pitch Length<br>mm | 9mmWIDE*          | 15mmWIDE          |
|--------------------|-------------------|-------------------|
|                    | Catalogue<br>Code | Catalogue<br>Code |
| 305                | 278E0030          | 278F0030          |
| 325                | 032               | 032               |
| 350                | 035               | 035               |
| 400                | 040               | 040               |
| 450                | 045               | 045               |
| 500                | 050               | 050               |
| 575                | 057               | 057               |
| 640                | 064               | 064               |
| 700                | 070               | 070               |
| 800                | 080               | 080               |
| 890                | 089               | 089               |
| 980                | 098               | 098               |
| 1100               | 110               | 110               |
| 1200               | 120               | 120               |
| 1420               | 142               | 142               |
| 1595               | 159               | 159               |
| 1800               | 180               | 180               |
| 2000               | 200               | 200               |
| 2250               | 225               | 225               |
| 2525               | 252               | 252               |

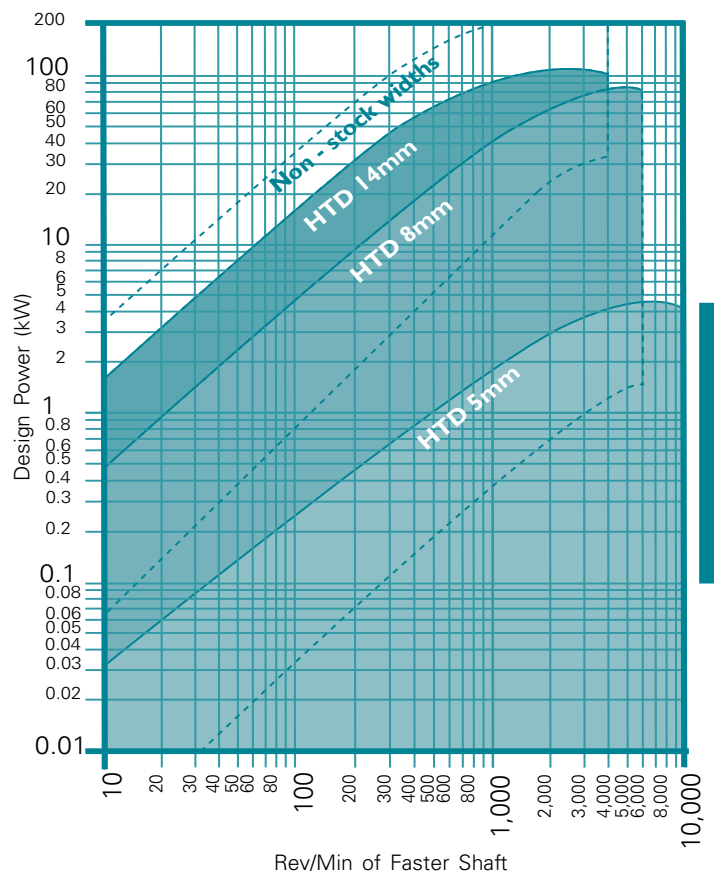
\* 9mm wide belts non-stock - Consult FPT for availability.

### 8mm (8M) PITCH HTD BELTS

| Pitch Length<br>mm | 20mmWIDE          | 30mmWIDE          | 50mmWIDE          | 85mmWIDE*         |
|--------------------|-------------------|-------------------|-------------------|-------------------|
|                    | Catalogue<br>Code | Catalogue<br>Code | Catalogue<br>Code | Catalogue<br>Code |
| 480                | 278J0048          | 278K0048          | 278L0048          | 278M0048          |
| 560                | 0056              | 0056              | 0056              | 0056              |
| 600                | 0060              | 0060              | 0060              | 0060              |
| 640                | 0064              | 0064              | 0064              | 0064              |
| 720                | 0072              | 0072              | 0072              | 0072              |
| 800                | 0080              | 0080              | 0080              | 0080              |
| 880                | 0088              | 0088              | 0088              | 0088              |
| 960                | 0096              | 0096              | 0096              | 0096              |
| 1040               | 0104              | 0104              | 0104              | 0104              |
| 1120               | 0112              | 0112              | 0112              | 0112              |
| 1200               | 0120              | 0120              | 0120              | 0120              |
| 1280               | 0128              | 0128              | 0128              | 0128              |
| 1440               | 0144              | 0144              | 0144              | 0144              |
| 1600               | 0160              | 0160              | 0160              | 0160              |
| 1760               | 0176              | 0176              | 0176              | 0176              |
| 1800               | 0180              | 0180              | 0180              | 0180              |
| 2000               | 0200              | 0200              | 0200              | 0200              |
| 2400               | 0240              | 0240              | 0240              | 0240              |
| 2600               | 0260              | 0260              | 0260              | 0260              |
| 2800               | 0280              | 0280              | 0280              | 0280              |

\* 85mm wide belts non-stock - Consult FPT for availability.

## BELT PITCH SELECTION CHART



SYNCHRONOUS  
BELT DRIVES

## TEMPERATURE

HTD belt performance is generally unaffected in ambient temperatures between  $-25^{\circ}\text{C}$  and  $+100^{\circ}\text{C}$ .

Temperatures beyond these extremes should be referred to FPT.

For storage, belts should be protected from moisture, temperature extremes, direct sunlight and high ozone concentrations.

Belts should be stored avoiding sharp bends or crimping, which would damage the belts.

### 14mm (14M) PITCH HTD BELTS

| Pitch Length<br>mm | 40mmWIDE          | 55mmWIDE          | 85mmWIDE          | 115mmWIDE*        | 170mmWIDE*        |
|--------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
|                    | Catalogue<br>Code | Catalogue<br>Code | Catalogue<br>Code | Catalogue<br>Code | Catalogue<br>Code |
| 966                | 278N0096          | 278P0096          | 278R0096          | 278S0096          | 278T0096          |
| 1190               | 0119              | 0119              | 0119              | 0119              | 0119              |
| 1400               | 0140              | 0140              | 0140              | 0140              | 0140              |
| 1610               | 0161              | 0161              | 0161              | 0161              | 0161              |
| 1778               | 0177              | 0177              | 0177              | 0177              | 0177              |
| 1890               | 0189              | 0189              | 0189              | 0189              | 0189              |
| 2100               | 0210              | 0210              | 0210              | 0210              | 0210              |
| 2310               | 0231              | 0231              | 0231              | 0231              | 0231              |
| 2450               | 0245              | 0245              | 0245              | 0245              | 0245              |
| 2590               | 0259              | 0259              | 0259              | 0259              | 0259              |
| 2800               | 0280              | 0280              | 0280              | 0280              | 0280              |
| 3150               | 0315              | 0315              | 0315              | 0315              | 0315              |
| 3500               | 0350              | 0350              | 0350              | 0350              | 0350              |
| 3850               | 0385              | 0385              | 0385              | 0385              | 0385              |
| 4326               | 0432              | 0432              | 0432              | 0432              | 0432              |
| 4578               | 0457              | 0457              | 0457              | 0457              | 0457              |

\* 115mm and 170mm wide belts non-stock - Consult FPT for availability.